

Fig. 1

Application Layer / Layer 5 <u>202</u>
Transport Layer / Layer 4 <u>204</u>
Internet Layer / Layer 3 <u>206</u>
Network Interface Layer / Layer 2 <u>208</u>
Physical Layer / Layer 1 <u>210</u>

## TCP/IP Layering Model

Fig. 2

Fig. 3

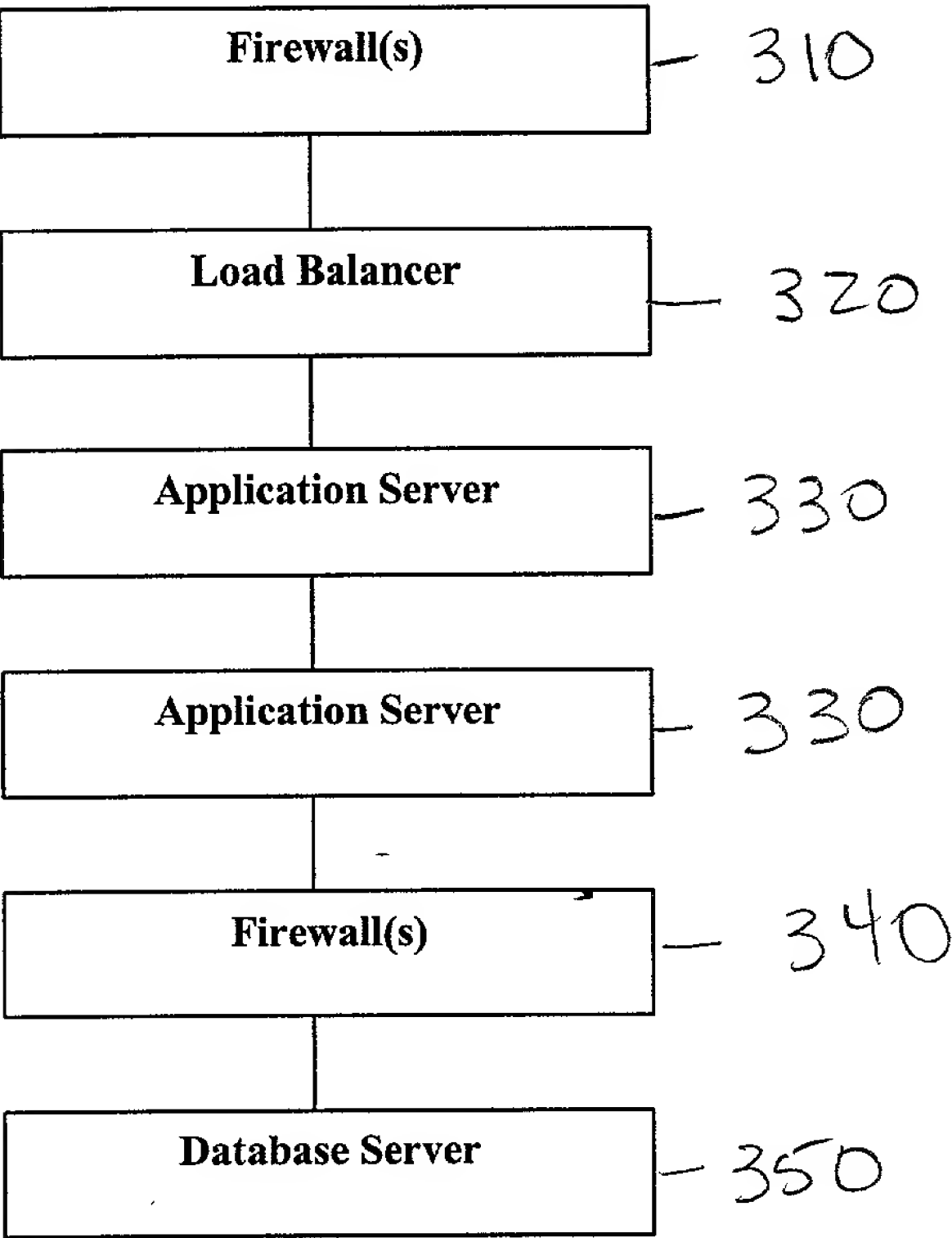


FIGURE 4

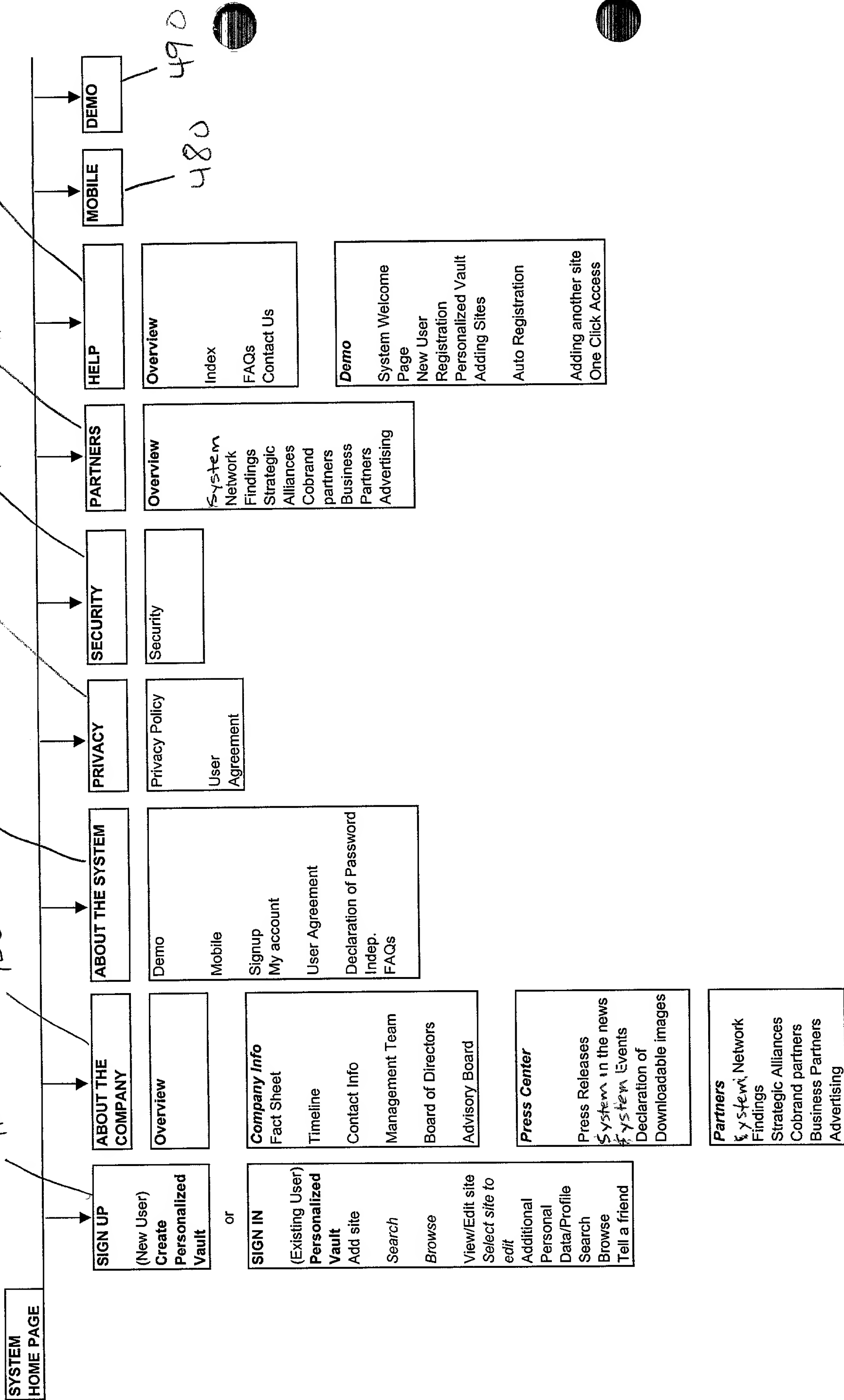


Fig. 5

The screenshot shows a web browser window displaying the essential.com website. The browser's address bar shows 'http://essential.com/'. The website has a navigation bar with links: HOME, update your profile, mobile, privacy, security, partners, demo, HELP, and LOGOUT. Below the navigation bar, there is a section titled 'open your vault' with the following text: 'Unlock the power of the Internet now with a single User Name and Password. the System will allow you to have one click sign-on to all of the Web sites you like to visit. Sign up now!'. There are three input fields for 'First name:', 'Last name:', and 'Email address:'. The 'Email address:' field has a note: 'Your email address will serve as your Master User Name. We may also need to contact you to ensure your account's security.' Below these fields, there is a section for 'Password:' with a note: 'Only you have access to your System account. Please choose a password to protect your account. Click here to read our policies about recovering lost usernames and passwords.' The password field has a note: 'Guidelines for creating your password: - Must be 5-20 characters in length - Must contain at least one letter and one number - Must not contain spaces or special characters'. There is a 'Retype password:' field and a checkbox labeled 'Send me updates about the system services.' To the right of the sign-up form, there is a section titled 'Our Pledge' with the text: 'We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission.' The website also features a banner at the top that says '\$75 Check to switch Internet Access and Long Distance' and a logo for 'essential.com'.

Address: <http://essential.com/>

HOME | update your profile | mobile | privacy | security | partners | demo | HELP | LOGOUT

→ home → open your vault

**open your vault**

Unlock the power of the Internet now with a single User Name and Password. ~~the~~ System will allow you to have one click sign-on to all of the Web sites you like to visit. Sign up now!

First name:

Last name:  510

Email address:  Your email address will serve as your Master User Name. We may also need to contact you to ensure your account's security.

Only you have access to your System account. Please choose a password to protect your account. [Click here to read our policies about recovering lost usernames and passwords.](#)

Password:  520

Guidelines for creating your password:

- Must be 5-20 characters in length
- Must contain at least one letter and one number
- Must not contain spaces or special characters

Retype password:  530

☒ Send me updates about the system services.

**Our Pledge**

"We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission."

essential.com

Fig. 6

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Real.com

Address [ ] Go

Finders, ...Keepers

LinkExchange

MY VAULT update your profile mobile privacy security partners demo HELP LOGOUT

### password recovery

At the system, the security and privacy of your account are our highest priorities. In the unlikely event that you lose the password to your system account, we have developed a secure method to recover your data.

If you chose to enable Password Recovery, and you lose your password, we will send you an email with the following information:

- first character of password
- last character of password
- total length of password
- an optional hint that you have supplied

You also have the option to disable the password recovery system.

☐ Yes! Turn on the password recovery capability for my account. - 620

If you would like to set an optional hint for your account which will be sent to your email address if you lose your password, please enter it below.

Optional hint: [ ] - 630

☐ No. Please do not enable password recovery for my account. - 640

I understand that if I lose my password, it will be impossible be able to recover any of the data that I store in Catavault.

Click here to continue

amazon.com

Amazon.com

Earth's biggest selection of books, music, and DVDs.

add to your vault >

visit site >

Internet



Fig. 7

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Real.com

Address: [2]

Gadget Universe Click Here

LinkExchange

MY VAULT update your profile mobile privacy security partners demo HELP LOGOUT

do you have an account with about.com?

**yes**

If you remember your sign-in information for About.com, please enter it in the fields below, and it will be stored permanently in your vault.

Username

Password

Repeat Password

If you don't have your sign-in information, try visiting [About.com](#) to recover this information.

[Visit site](#)

[Cancel](#)

**no**

Let me register you now!

met are

Done Internet

710-

720-

730

Fig. 8A

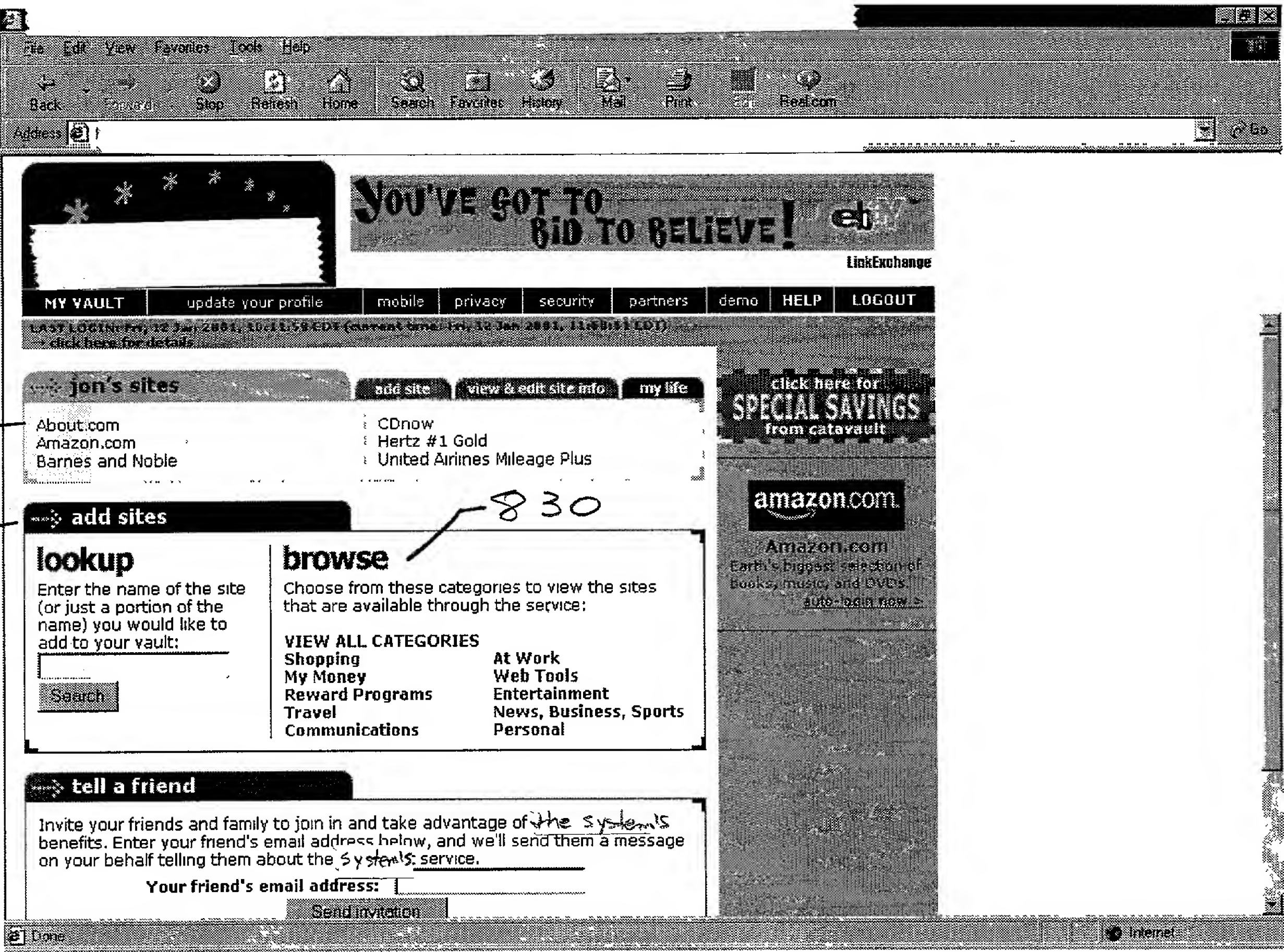




Fig. 8B

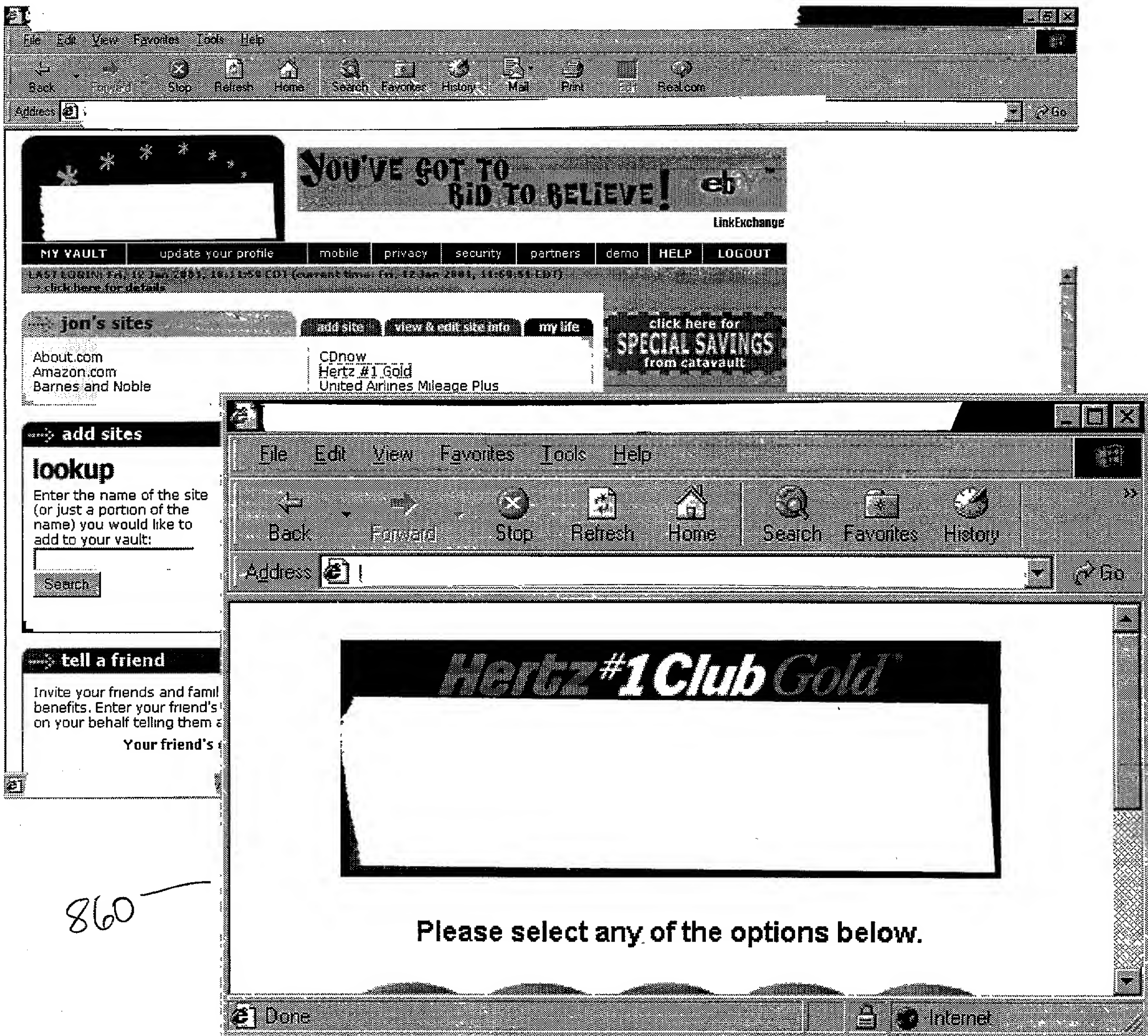


Figure 8C

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Links

Address **PINvault.com**

**Travelocity.com**  
A Sabre Company

**Login to Travelocity.com**

Welcome easySAB ?

The System Personal Assistant can store this login information so that you can access this site directly from your System home page. Do you want to do this?

Yes No

Be Our Guest

Remember my login name ☒

Terms and Conditions

Making travel reservations through Travelocity.com is **FREE**. We only need a credit card number on file when you put a reservation on hold or purchase tickets. To keep your credit card information private, we

Done Internet



Fig. 9A

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Real.com

Address: [ ] Go

**YOU'VE GOT TO BID TO BELIEVE!** LinkExchange

MY VAULT update your profile mobile privacy security partners demo HELP LOGOUT

home -> auto registration

**profile update**

Unfortunately we cannot automatically register you for About.com yet because some information is missing from your master profile. Please enter the necessary information below, and this information will automatically be stored in your master profile. (Remember that the system will never reveal your personal information without your explicit approval.)

Birth month

Birth year

Birth day

Gender

**Our Pledge**

"We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission."

SAFETY

Done Internet

910

Fig. 9B

The screenshot shows a Netscape browser window displaying the L.L. Bean online store. The browser's address bar is empty, and the status bar at the bottom indicates 'Done' and 'Internet'. The website header features the text 'SHOP L.L.BEAN ON-LINE' with a 'click here' arrow pointing to the right. Below the header is a navigation bar with links: 'MY VAULT', 'update your profile', 'mobile', 'privacy', 'security', 'partners', 'demo', 'HELP', and 'LOGOUT'. A 'user agreement' pop-up window is displayed in the center, containing the following text: 'In conformance with the system's privacy policy, before we auto-register you for About.com, we would like to show you which information we will be sending to About.com and allow you to confirm your decision to transfer this data:'. The form fields are: 'First Name', 'Last Name', 'Email Address', 'Birth Month', 'Birth Day', 'Birth Year', 'Gender', and 'Zip Code'. Below the form are two buttons: 'Auto-register now' and 'Cancel'. To the right of the form is a section titled 'Our Pledge' with the text: 'We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission.' Below this text is a small icon of a padlock.

920

Fig. 9C

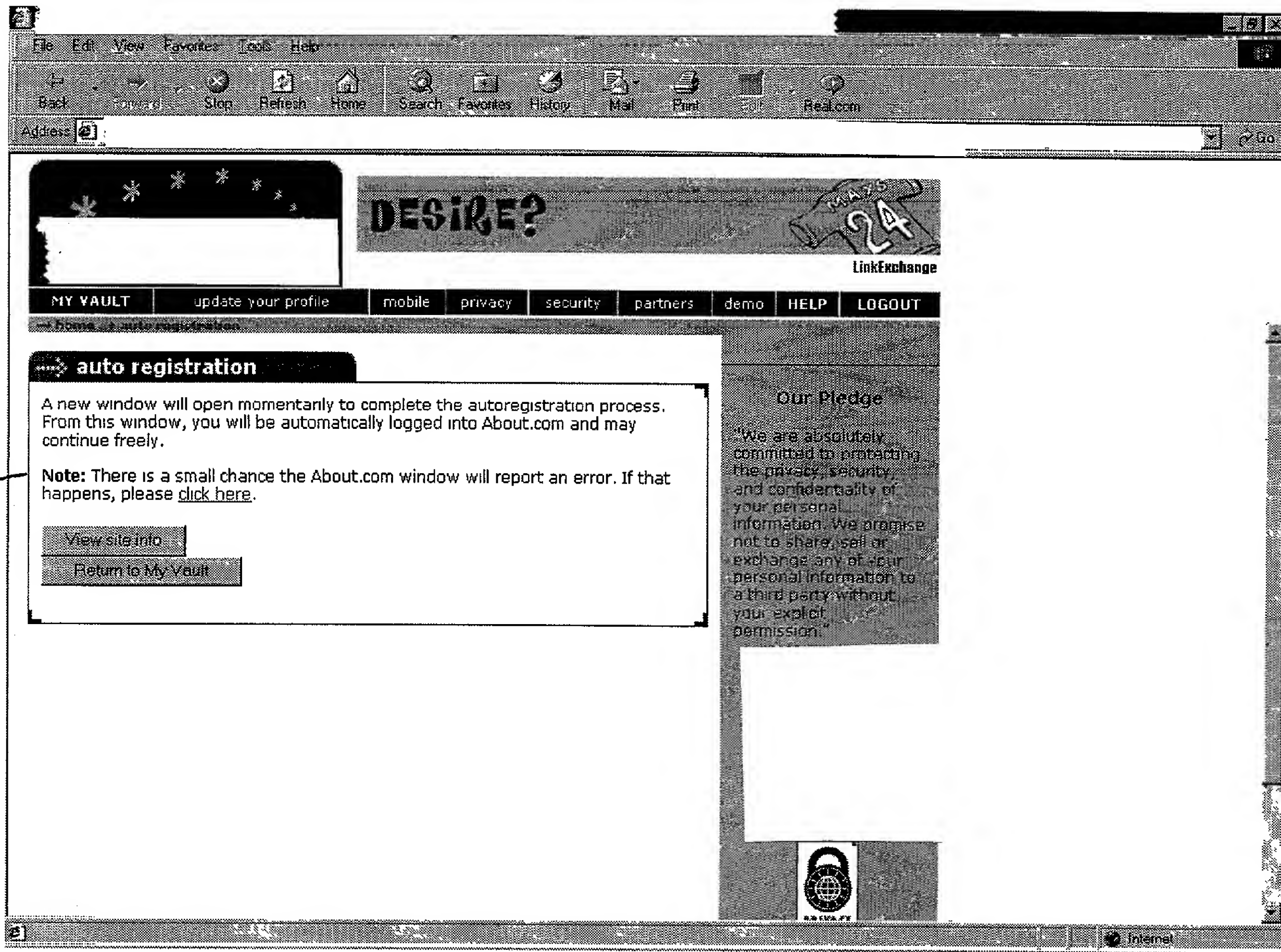
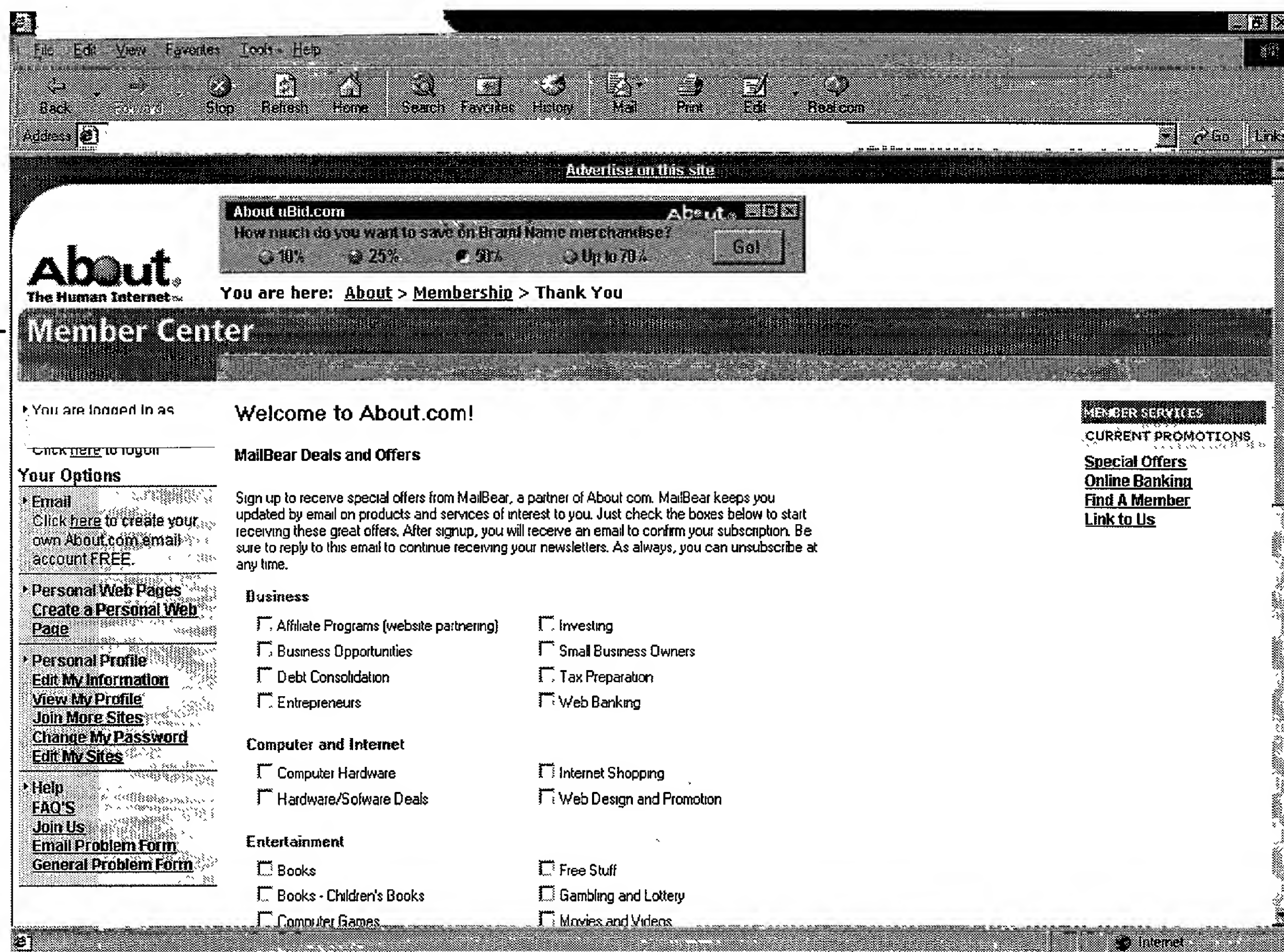




Fig. 9D



**john's sites**

AvantGo  
CDNow  
Deja.com  
Epinions.com  
Evite  
Foodline  
Giftcertificates.com  
GroupVine  
Old Navy  
OpenTable  
StreamSearch  
Yahoo Mail

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Fig 11

